**1.Problem statement**: **Help me with my mood**

2.Team size: 2

Team members: 1. Priya khandelwal

2.Yashshsavi Kashyap

3. Problem statement defined in simple terms:

A person’s emotions and moods have direct bearings on his/her daily activities. It is necessary to eliminate negative emotions that our family or friends might be experiencing, to help them lead a better life. Research has shown that social networking activity is a good source to gauge a person’s state of mind. Mood of a user is often reflected in his/her social content, like tweets, blogs, article, status updates, etc. Timely analysis of a user’s social media can be used to improve the feelings, and even save a person’s life in an extreme case! The proposed challenge is to know the emotion/mood of a person, to help in eliminating any negative state of mind that might have adverse effect on his/her daily life.

4.Scope of work in the opted problem statement:

A desktop app will be developed that will ask the user to enter the twitter screen name of the person of whom the user wants to know the emotion. Then the program will fetch user screen name and will used in Twitter API to fetch the most recent tweets of that user and will Perform sentiment/tone analysis using IBM tone analyser on the above content.

It will display the person name and his/her most prominent emotion. And then suggest measures to soothe or calm down the mood of the person by suggesting some curated playlist of songs based on his interest.

In the desktop application as that will be shown in the attached demo video the user is asked to enter the twitter screen name. After submitting name, an another window will be shown, displaying the person’s name with his/her prominent sentiments and suggesting a curated list of music based on his interest, the music that will help him to soothe the mood.

The desktop application will be made cross platform by using setup.py file provided in repository to build the standalone application.

The desktop application will help the people to know the emotion/mood of person and can eliminate any negative state of mind that might have adverse effect on his/her daily life.

5. Business value derived-outcome of work in simple terms.:

Beside the lifesaving purpose, the app can also be used for business. It can be used by various customer caring franchises to improve their service quality and hence to increase the market value.

The application can be used by the restaurants to know the most prominent mood of the most customers and can play the curated playlist of songs accordingly. This will increase the number of customers as obviously the customer can feel more comfortable and can relax themselves there, and hence will love to spend more time in a place which can analyse their emotion and can help them to calm down and to soothe their mood.

The user need only to register his/her twitter screen name and by analysing emotion the curated playlist will be played.

By doing slight changes in the current desktop application that will be made by us, it can be made to be a good profitable app for this purpose that is for business purpose.

As it is obvious not all have same emotions at same time, but we can analyse the most common prominent emotion of customers present and will help them to increase the business.

Can be used for the same job at Airline services, railways or another customer caring services.

5. Technologies/Platform/APIs planned to use:

Python 3

Twitter API

IBM Watson Tone Analyser

Tkinter

cx\_Freeze

6. The role of each team members.

**Priya khandelwal: Documentation**

**Yashshavi kashyap: Desktop application, Backend**